

Irene Ni

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EDUCATION

University of Waterloo

Sep 2020 - Apr 2025

Biomedical Engineering

- 3.90 GPA
- BioMechatronics Club

SKILLS

Languages

Python ★★★★★
C# ★★★★★
C++ ★★★★★

Tools

Adobe CC, Figma,
Javascript (ReactJS, NodeJS),
HTML/CSS, Git,
SolidWorks CAD, Matlab

AWARDS

Governor General's

Academic Medal

Highest Graduating Average

Staff Scholarship Award

White Oaks Secondary
School

3rd Place

University of Waterloo
Sandford Fleming Debate

Top 25%

Senior Canadian Computing
Competition (2020)

INTERESTS

Fencing, competitive
scrabble, curating great
playlists

PROJECTS

Recipro App | Java + JS

FEB 2021 | TU20 Cup

- Community-building app fostering reciprocal acts of kindness between neighbors
- Designed brand identity and built prototype in **Figma**; currently implementing **Firebase Database** in backend

Habbit Budgeting App | React Native + JS

JAN 2021 | SheHacks V

- Created an educational app that gamifies income tracking to promote financial literacy among youth
- Designed UI/UX in **Figma + Photoshop** and developed backend using **React Native + Javascript**, implementing navigation and transaction display

Wheelchair Self-Weighing Device

SEP 2020 - DEC 2020 | Intro to Biomedical Design Course

- Designed a home-use scale for spinal cord injury patients at **1/5 market price**
- Organized deliverables to ensure project completion in four months
- Created analysis reports and engineering drawings + prototypes as part of iterative design process

Lives of Colour Dementia Support Initiative

APR 2018 - JAN 2020 | Sheridan Villa

- Founded a legacy work project documenting the lives of seniors with advanced dementia through restoring and colorizing their old photos
- Supported seniors throughout restoration process, encouraging them to recount memories or else choose fun colors and scenery in **Photoshop**

EXPERIENCE

Summer Student Intern

JUL 2020 - SEP 2020 | Big Brothers Big Sisters of Halton

- Secured **10+ new donors** for charity auctions through personal outreach
- Assisted in **SharePoint** migration and workflow implementation
- Provided mentorship to at-risk youth, helping them build confidence and interpersonal skills; currently teaching mentee Python game dev

Graphic Designer + Marketing Coordinator

JUN 2019 - JAN 2020 | Tech Under 20

- Worked with team on content promotion and distribution strategies to grow impressions to **600+ per week**
- Achieved a **40% increase** in follower engagement through custom event marketing videos (**Adobe CC**) and highlighting skill-building opportunities in tech

President

OCT 2018 - SEP 2020 | Knitters for Whiskers

- Founded a volunteer-run club knitting blankets for shelter cats in partnership with Ninth Life Cat Rescue (NLCR)
- Recruited and taught **40+ members** to knit, producing **200+ blankets** within 2 years
- Managed club website (**HTML/CSS**) and illustrated promotional graphics for social media and merchandise (**Adobe CC**)
- **Raised \$400** for NLCR through a hoodie fundraiser